



DIESEL ENGINE MECHANIC UNDERGROUND (COAL)

PHOTO ID REQUIRED

Article 3 of the **Coal Mine Safety Laws of Virginia** establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: *Underground Diesel Engine Mechanic (Coal)

This certification authorizes the holder to:

- Perform maintenance work on diesel engines in underground coal mines as recommended by the manufacturer of the engine.

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
 - **Note:** Classes are limited to 20 people and tend to fill quickly. Application fees are due no later than 5 working days prior to the examination, but this will not guarantee that an opening will be available.
- Six months experience as an underground coal diesel engine mechanic or complete a diesel engine mechanic course approved by the Division of Mines, or possess appropriately related work experience approved by the Chief of the Division of Mines. (Certificate required if other than DM course). **NOTE: Experience must be submitted within 5 years of passing the examination. After 5 years records are destroyed. Must reapply if future certification is desired.**
- Hold a General Miner Certification
- Current first aid training (MSHA 5000-23 Annual Retraining or New Miner Inexperienced Training acceptable)

EXAMINATION REQUIREMENTS: A score of 80% on each element of the examination

ELEMENTS OF EXAM	NUMBER OF QUESTIONS
▪ Emissions Testing (ET)	20
▪ Fuels and Emissions (FM)	20
▪ Internal Combustion (IC)	20
▪ Preventive Maintenance (PM)	20
▪ Federal Regulations (FR)	20
▪ Virginia Rules & Regulations (VR)	20
▪ First Aid (FA)	25
▪ <u>Records</u>	
Weekly Examination (WE)	
Gas Detection - practical demonstration	

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RECOMMENDED REFERENCE/STUDY MATERIALS:

- Coal Mine Safety Laws of Virginia (\$5.50)
- Title 30 CFR Parts 36, 75 (Included in study guide)
- First Aid for Miners Study Guide (\$9.00)
- Diesel Engine Mechanic Study Guide (\$9.00)
- Rules & Regulations Governing the Use
of Diesel Powered Equipment in Underground Coal Mines (Included in study guide)
- Practical Ways to Reduce Exposure to Diesel
Exhaustion in Mining – A Toolbox (Included in study guide)

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Lebanon Field Office (276) 415-9650.

***4 hours annual continuing education required to update this certification.**

*** Contact Mountain Empire Community College (MECC) 276-523-2400 for class information.**